

Applicant : Peter J. Whitehead
Serial No. : 10/790,309
Page : 2

IN THE CLAIMS:

Please cancel Claims 22, 23, and 42-47. Please amend Claims 1, 13, and 14 and add new Claims 48-68 as follows:

1. (currently amended) A vehicular interior rearview memory mirror system, said interior rearview memory mirror system comprising:
 - an interior rearview mirror assembly;
 - said interior rearview mirror assembly comprising a mirror casing having a reflective element with a rearward field of view;
 - said interior rearview mirror assembly further comprising a support being adapted to mount said mirror assembly to a vehicle; and
 - an electrical actuator located interiorly of said ~~mirror casing~~ interior rearview mirror assembly, said electrical actuator cooperating with said support to provide adjustment of said mirror casing about said support when said electrical actuator is actuated to thereby provide adjustment of said rearward field of view of said reflective element about one or more axes when said actuator is actuated.
2. (original) The vehicular interior rearview memory mirror system according Claim 1, wherein said reflective element is supported by said mirror casing.
3. (original) The vehicular interior rearview memory mirror system according to Claim 1, wherein said mirror casing includes a first compartment for said reflective element and a second compartment for housing said actuator.
4. (original) The vehicular interior rearview memory mirror system according to Claim 3, wherein said support extends into said second compartment, said actuator pivoting said casing and said reflective element about said support when actuated.
5. (original) The vehicular interior rearview memory mirror system according to Claim 4, wherein said actuator is mounted to said casing in said second compartment and engages said

Applicant : Peter J. Whitehead
Serial No. : 10/790,309
Page : 3

support whereby said actuator pivots said casing and said reflective element about said support.

6. (original) The vehicular interior rearview memory mirror system according to Claim 1, wherein said support comprises a dual ball mount support arm, said dual ball mount support arm providing manual adjustment of said mirror casing about one or more axes.

7. (original) The vehicular interior rearview memory mirror system according to Claim 1, wherein said reflective element comprises a prismatic reflective element.

8. (original) The vehicular interior rearview memory mirror system according to Claim 1, wherein said reflective element comprises a variable reflectance element.

9. (original) The vehicular interior rearview memory mirror system according to Claim 1, wherein said mirror casing comprises a generally cup-shaped mirror casing.

10. (original) The vehicular interior rearview memory mirror system according to Claim 1, wherein said support is adapted to mount said mirror assembly to a windshield.

11. (original) The vehicular interior rearview memory mirror system according to Claim 1, wherein said support is adapted to mount said mirror assembly to a header.

12. (original) The vehicular interior rearview memory mirror system according to Claim 1, wherein said mirror casing includes a wall, said reflective element being spaced from said wall of said mirror casing to thereby define a cavity therebetween for containing one or more electrical components.

13. (currently amended) The vehicular interior rearview memory mirror system according to Claim 12, wherein said actuator ~~is supported~~ cooperates with by said wall to thereby adjust the position of said mirror casing and said reflecting element.

Applicant : Peter J. Whithead
Serial No. : 10/790,309
Page : 4

14. (currently amended) A vehicular interior rearview memory mirror system comprising:

an interior rearview mirror assembly;

said interior rearview mirror assembly comprising a mirror casing having a variable reflectance reflective element with a rearward field of view;

said interior rearview mirror assembly further comprising a support being adapted to mount said mirror assembly to a vehicle, ~~said mirror casing being fixed relative to~~ said support adapted to provide a break-away connection for said interior rearview mirror assembly; and

an electrical actuator located interiorly of said mirror assembly, said electrical actuator ~~cooperating with said reflective element to provide~~ provides adjustment of said reflective element when said electrical actuator is actuated to thereby provide adjustment of said rearward field of view of said reflective element about one or more axes when said actuator is actuated.

15. (original) The vehicular interior rearview memory mirror system according to Claim 14, wherein said actuator supports said reflective element in said casing.

16. (original) The vehicular interior rearview memory mirror system according to Claim 14, wherein said support comprises a tubular member, said tubular member being adapted to mount to a vehicle windshield or a header.

17. (original) The vehicular interior rearview memory mirror system according to Claim 16, wherein said tubular member defines a passageway, said memory mirror system further comprising at least one electrical device, and said device being housed in said passageway.

18. (original) The vehicular interior rearview memory mirror system according to Claim 14, further comprising a housing, said housing forming said mirror casing and said support.

19. (original) The vehicular interior rearview memory mirror system according to Claim 18, wherein said actuator includes an actuator housing, at least a portion said actuator housing being positioned in said mirror casing.

Applicant : Peter J. Whitehead
Serial No. : 10/790,309
Page : 5

20. (original) The vehicular interior rearview memory mirror system according to Claim 14, wherein said actuator is coupled to at least one control module of a mirror memory system.

21. (original) The vehicular interior rearview memory mirror system according to Claim 20, wherein said at least one control module comprises a mirror-based control module, said mirror-based control module positioned in said interior of said support, said mirror-based control module for coupling to a vehicle-based control module of said memory mirror system.

22-23. (cancelled)

24. (original) A vehicular interior rearview mirror assembly for a vehicle memory mirror system, said interior rearview mirror assembly comprising:

a body forming a mirror casing and a support for mounting said mirror assembly to a vehicle;

a reflective element; and

an electrical actuator supporting said reflective element in said mirror casing, said actuator providing adjustment of said reflective element in said mirror casing and, further, being mounted to said body whereby the weight of said actuator is directly distributed to the vehicle by said support to improve the vibration performance of said reflective element in said interior rearview mirror assembly.

25. (original) The vehicular interior rearview mirror assembly according to Claim 24, wherein said body is adapted to mount to a vehicle windshield or a header.

26. (original) The vehicular interior rearview mirror assembly according to Claim 24, wherein said body includes a first portion defining said mirror casing and a second portion forming said support for mounting said mirror assembly to a vehicle windshield.

Applicant : Peter J. Whithead
Serial No. : 10/790,309
Page : 6

27. (original) The vehicular interior rearview mirror assembly according to Claim 26, wherein said support comprises a tubular member having an interior space for housing one or more electrical devices.

28. (original) The vehicular interior rearview mirror assembly according to Claim 26, wherein said mirror casing includes upper and lower casing walls and a back casing wall, said actuator supported at said back casing wall.

29. (original) The vehicular interior rearview mirror assembly according to Claim 28, wherein said actuator is mounted to said back casing wall.

30. (original) The vehicular interior rearview mirror assembly according to Claim 26, wherein said second portion extends from said first portion.

31. (original) The vehicular interior rearview mirror assembly according to Claim 24, wherein said actuator is coupled to at least one control module of the memory mirror system.

32. (original) The vehicular interior rearview mirror assembly according to Claim 31, wherein said at least one control module comprises a mirror-based control module, said mirror-based control module supported by said mirror assembly.

33. (original) The vehicular interior rearview mirror assembly according to Claim 32, wherein said mirror-based control module is coupled to a second control module, said second control module being located remotely from said interior rearview mirror assembly.

34. (original) The vehicular interior rearview mirror assembly according to Claim 24, wherein said reflective element comprises a prismatic reflective element.

35. (original) The vehicular interior rearview mirror assembly according to Claim 24, wherein said reflective element comprises a variable reflectance element.

Applicant : Peter J. Whitehead
Serial No. : 10/790,309
Page : 7

36. (original) A vehicular interior rearview mirror assembly for a vehicle memory mirror system, said interior rearview mirror assembly comprising:

- a mirror casing, said mirror casing having a first cavity and a second cavity;
- a reflective element supported in said first cavity;
- a support adapted to mount said mirror casing to a vehicle; and
- an electrical actuator housed in said second cavity and mounting said mirror casing to said support and providing adjustment of an orientation of said mirror casing and said reflective element about said support about at least one axis.

37. (original) The vehicular interior rearview mirror assembly according to Claim 36, wherein said electrical actuator is mounted to said mirror casing.

38. (original) The vehicular interior rearview mirror assembly according to Claim 36, wherein said support includes at least one ball mount to provide manual adjustment of said mirror casing about one or more axes.

39. (original) The vehicular interior rearview mirror assembly according to Claim 36, wherein said casing includes an upper wall and a lower wall, said upper wall and said lower wall interconnected by an intermediate wall, said intermediate wall dividing said mirror casing into said first cavity and said second cavity.

40. (original) The vehicular interior rearview mirror assembly according to Claim 39, wherein said reflective element is supported between said upper and lower walls.

41. (original) The vehicular interior rearview mirror assembly according to Claim 40, wherein said reflective element is supported by said mirror casing.

42-47. (cancelled)

48. (new) A vehicular interior rearview mirror memory system, said interior rearview memory mirror system comprising:

Applicant : Peter J. Whitehead
Serial No. : 10/790,309
Page : 8

an interior rearview mirror assembly;

said interior rearview mirror assembly comprising a generally cup-shaped mirror casing having a reflective element;

said interior rearview mirror assembly further comprising a support, said support being adapted to mount to a vehicle windshield or a vehicle header portion, said support being adapted to provide a break-away mounting of said interior rearview mirror assembly, said support including a cavity; and

an electrical actuator located at least partially in said cavity, said electrical actuator including at least one positioning member, said positioning member engaging said mirror casing whereby extension and retraction of said positioning member adjusts said mirror casing about one or more axes to thereby adjust said reflective element about said one or more axes in tandem with said mirror casing.

49. (new) The vehicular interior rearview memory mirror system according to Claim 48, wherein said mirror casing includes a back wall, said reflective element being spaced from said back wall to thereby define a cavity for containing one or more electrical components therein.

50. (new) The vehicular interior rearview memory mirror system according to Claim 48, wherein said reflective element comprises a variable reflectance element.

51. (new) The vehicular interior rearview memory mirror system according to Claim 48, further comprising a windshield contacting rain sensor for detecting moisture on the windshield.

52. (new) The vehicular interior rearview memory mirror system according to Claim 51, wherein said rain sensor is located in said cavity of said support.

53. (new) The vehicular interior rearview memory mirror system according to Claim 48, further comprising an electronic control system, said electronic control system including a mirror based control module in said interior rearview mirror assembly, said actuator

Applicant : Peter J. Whitehead
Serial No. : 10/790,309
Page : 9

including a motor, and said mirror based control module operable to actuate said motor to adjust the position of said mirror casing and said reflective element.

54. (new) The vehicular interior rearview memory mirror system according to Claim 53, wherein said mirror based control module is located in said support.

55. (new) The vehicular interior rearview memory mirror system according to Claim 48, wherein said mirror casing includes a socket member, said socket member mounting said mirror casing to said actuator.

56. (new) The vehicular interior rearview memory mirror system according to Claim 55, wherein said mirror casing further comprises a second socket member, said second socket member being engaged by said positioning member to thereby adjust the position of said mirror casing about said actuator about one or more axes when said positioning member extends or retracts.

57. (new) The vehicular interior rearview memory mirror system according to Claim 48, wherein said reflective element is supported by said mirror casing.

58. (new) The vehicular interior rearview memory mirror system according to Claim 57, wherein said mirror casing further includes a bezel, said bezel retaining said reflective element in said mirror casing.

59. (new) The vehicular interior rearview memory mirror system according to Claim 48, wherein said actuator further includes a housing, said positioning member extending and retracting from said housing.

60. (new) The vehicular interior rearview memory mirror system according to Claim 59, wherein at least a portion of said housing forms a pivot member, said pivot member engaged with said mirror casing whereby said mirror casing pivots about said pivot member of said actuator when said positioning member is extended or retracted from said housing.

Applicant : Peter J. Whitehead
Serial No. : 10/790,309
Page : 10

61. (new) A vehicular memory mirror system comprising:
- at least one exterior sideview mirror assembly, said sideview mirror assembly including a sideview mirror casing adapted to mount to a vehicle, a sideview reflective element, and a sideview electrical actuator for adjusting the position of said sideview reflective element in said sideview mirror casing about one or more axes;
 - an interior rearview mirror assembly including a rearview mirror casing, a rearview reflective element, a support for mounting said rearview mirror casing to a vehicle windshield or a vehicle header, and a rearview electrical actuator, said rearview electrical actuator adjusting the position of said reflective element about one or more axes about said support to thereby adjust the rearward field of view of said reflective element; and
 - at least one control module in communication with said rearview electrical actuator and said sideview electrical actuator, said control module actuating at least one of said actuators to adjust the position of at least one of said reflective elements in response to a signal from at least one of (a) a mirror switch that is user operable to selectively position of at least one of said reflective elements and (b) a memory set switch that is user operable to set a memory position for at least one of said reflective elements.

62. (new) The memory mirror system according to Claim 61, wherein said rearview mirror casing is engaged by said rearview electrical actuator to adjust the position of said reflective element.

63. (new) The memory mirror system according to Claim 62, wherein said mirror casing includes a rear wall, said rearview electrical actuator engaging said rear wall of said mirror casing to thereby adjust the mirror casing about said one or more axes.

64. (new) The memory mirror system according to Claim 63, wherein said rearview electrical actuator includes a positioning member, said positioning member engaging said rear wall of said rearview mirror casing to thereby pivot said rearview mirror casing.

Applicant : Peter J. Whitehead
Serial No. : 10/790,309
Page : 11

65. (new) The memory mirror system according to Claim 61, wherein said rearview electrical actuator is located in said support.

66. (new) The memory mirror system according to Claim 65, wherein said rearview electrical actuator is supported in said support.

67. (new) The memory mirror system according to Claim 65, wherein said support is adapted to provide a break-away mounting to the windshield or the header portion of the vehicle.

68. (new) The memory mirror system according to Claim 67, wherein said control module includes at least one mirror based control module, said mirror based control module in communication with said rearview electrical actuator and actuating said rearview electrical actuator to adjust the position of said review reflective element.